

TOP SECRET RUFF

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Attachment to [redacted]
15 February 1967
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REFERENCE TO: [redacted]

UNUSUAL CONSTRUCTION TECHNIQUE
ALEYSK ICBM COMPLEX,
USSR

1. SIGNIFICANCE: LAUNCH SITES 19 AND 20 SHOW A DISTINCT DEVIATION FROM STANDARD TYPE IIIC CONSTRUCTION PROCEDURES.
2. LOCATION: COMPLEX -- 151 NM SOUTH OF NOVOSIBIRSK AND GENERALLY WEST OF THE TOWN OF ALEYSK.
SITE 19 -- APPROXIMATELY 21 NM WEST OF ALEYSK.
SITE 20 -- APPROXIMATELY 22 NM WNW OF ALEYSK.
3. REMARKS: THE ALEYSK ICBM COMPLEX IS ONE OF 6 ICBM COMPLEXES IN THE USSR AT WHICH TYPE IIIC DEPLOYMENT HAS BEEN IDENTIFIED. THE TYPE IIIC LAUNCH SITE IS THE LARGER OF THE 2 TYPES OF DEPLOYED SINGLE-SILO LAUNCH SITES WHICH HAVE BEEN IDENTIFIED IN THE USSR.
NORMALLY, DURING THE EARLY STAGE OF CONSTRUCTION OF A TYPE IIIC SITE, A SILO EXCAVATION 20 TO 30 FT DEEP IS VISIBLE, WITH ONE OR 2 EARTHEN RAMPS PROVIDING ACCESS INTO THE EXCAVATION. THE SPOIL FROM THIS EXCAVATION IS UTILIZED IN FORMING A LARGE RECTANGULAR

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PATTERN AT THE SIDE OF THE EXCAVATION AND A SQUARE
PATTERN, IN LINE WITH THE RECTANGULAR PATTERN, ON
THE OPPOSITE SIDE OF THE EXCAVATION. ONCE THE
DESIRED DEPTH IS REACHED, SILO CORING BEGINS. (GMAIC-
"EVALUATIONS OF SOVIET SURFACE MISSILE DEPLOYMENT,"
24TH REVISION.)

5. FIRST IDENTIFICATION:

SITE 19

SITE 20

6. NEGATION DATE:

SITE 19

SITE 20

7. SUBSEQUENT COVERAGE:

NONE

8. DIMENSIONS/
SPECIFICATIONS:

DIAMETER OF CORING AT SITES 19 AND 20 -- 30-35 FT.

DIAMETER OF CORING AT TYPICAL IIIC SITE -- APPROX
30 FT.

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9. MISSION READOUT: LAUNCH SITES 19C AND 20C SHOW A DISTINCT DEVIATION FROM STANDARD TYPE IIIC CONSTRUCTION PROCEDURES. AT BOTH SITES ONLY A 30-35 FT DIAMETER CORING IS OBSERVED, DUG NOT AT THE BOTTOM OF A LARGE EXCAVATION, BUT RATHER RIGHT AT GROUND LEVEL. THIS PROCEDURE WOULD REQUIRE HEADWORKS TO BE CONSTRUCTED ABOVE GROUND LEVEL UNLESS A LARGER EXCAVATION IS COMPLETED AROUND THE HOLE. AT SITE 19 A CRANE IS AT THE EDGE OF THE HOLE, AND AT SITE 20 A POSSIBLE CRANE IS AT THE EDGE. BOTH SITES REMAIN IN AN EARLY STAGE OF CONSTRUCTION.
- [REDACTED]

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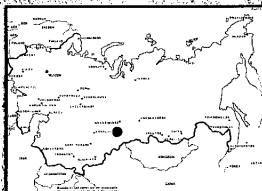
UNUSUAL CONSTRUCTION TECHNIQUE

ALEYSK ICBM COMPLEX, USSR



TYPE IIIC LAUNCH SITE 19C

52-28N 83-12E



SILO CORING WITHOUT EXCAVATION
30'-35' DIA

50X ENLARGEMENT

TYPE IIIC LAUNCH SITE 20C

52-35N 83-12E

SILO CORING WITHOUT EXCAVATION
30'-35' DIA

50X ENLARGEMENT

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